

EXHIBIT 17

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Register of Copyrights, United States of America

FORM TX

For a Nondramatic Literary Work
UNITED STATES COPYRIGHT OFFICE

TXu 1-270-592

TXu1270592

EFFECTIVE DATE OF REGISTRATION

10 19 05
Month Day Year

DO NOT WRITE ABOVE THIS LINE. IF YOU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET

1

TITLE OF THIS WORK ▼

Cisco IOS XR version 3 2

PREVIOUS OR ALTERNATIVE TITLES ▼ Cisco IOS release 3 2 Cisco Internetwork Operating System XR version 3 2 Cisco Internetwork Operating System XR release 3 2 IOX version 3 2 IOX release 3 2 HFROS version 3 2 HFROS release 3 2 ENA version 3 2 ENA release 3 2

PUBLICATION AS A CONTRIBUTION If this work was published as a contribution to a periodical serial or collection, give information about the collective work in which the contribution appeared Title of Collective Work ▼

If published in a periodical or serial give	Volume ▼	Number ▼	Issue Date ▼	On Pages ▼
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2

NAME OF AUTHOR ▼

a Cisco Systems Inc

Was this contribution to the work a 'work made for hire'?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ►

Domiciled in ► United States

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is 'Yes', see detailed instructions.

Anonymous? Yes No

Pseudonymous? Yes No

NOTE

Under the law, the author of a work made for hire is generally the employer not the employee (see instructions). For any part of this work that was made for hire check 'Yes' in the space provided; give the employer (or other person for whom the work was prepared) as Author of that part and leave the space for dates of birth and death blank.

b

See Attached Form TX/CON for Additional Authors

Was this contribution to the work a 'work made for hire'?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ►

Domiciled in ►

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is 'Yes', see detailed instructions.

Anonymous? Yes No

Pseudonymous? Yes No

c

Was this contribution to the work a 'work made for hire'?

Yes

No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ►

Domiciled in ►

DATES OF BIRTH AND DEATH

Year Born ▼

Year Died ▼

WAS THIS AUTHOR'S CONTRIBUTION TO THE WORK

If the answer to either of these questions is 'Yes', see detailed instructions.

Anonymous? Yes No

Pseudonymous? Yes No

3
4

a

YEAR IN WHICH CREATION OF THIS WORK WAS COMPLETED

This information must be given in all cases.

2005

DATE AND NATION OF FIRST PUBLICATION OF THIS PARTICULAR WORK

Complete this information ONLY if this work has been published.

APPLICATION RECEIVED
OCT 19 2005
ONE DEPOSIT RECEIVED

OCT 19 2005
TWO DEPOSITS RECEIVED

FUNDS RECEIVED

DO NOT WRITE HERE
OFFICE USE ONLY

See instructions before completing this space

COPYRIGHT CLAIMANT(S) Name and address must be given even if the claimant is the same as the author given in space 2 ▼

Cisco Technology Inc
170 West Tasman Drive
San Jose, CA 95134

TRANSFER If the claimant(s) named here in space 4 is (are) different from the author(s) named in space 2 give a brief statement of how the claimant(s) obtained ownership of the copyright ▼

By agreement

MORE ON BACK ▶ Complete all applicable spaces (numbers 5-9) on the reverse side of this page
See detailed instructions Sign the form at line 8

DO NOT WRITE HERE
Page 1 of 4 pages

EXAMINED BY *[Signature]*

FORM TX

CHECKED BY *[Signature]*

CORRESPONDENCE
 Yes

FOR
COPYRIGHT
OFFICE
USE
ONLY**DO NOT WRITE ABOVE THIS LINE IF YOU NEED MORE SPACE USE A SEPARATE CONTINUATION SHEET****PREVIOUS REGISTRATION** Has registration for this work, or for an earlier version of this work, already been made in the Copyright Office?

- Yes No If your answer is Yes, why is another registration being sought? (Check appropriate box) ▼
 a. This is the first published edition of a work previously registered in unpublished form
 b. This is the first application submitted by this author as copyright claimant
 c. This is a changed version of the work, as shown by space 6 on this application

If your answer is Yes give Previous Registration Number ►

TXu1 237 896

Year of Registration ►

2005

5

DERIVATIVE WORK OR COMPILATION

Preexisting Material Identify any preexisting work or works that this work is based on or incorporates ▼

a 6

Prior works by claimant and preexisting third party computer code

See instructions
before completing
this space

Material Added to This Work Give a brief, general statement of the material that has been added to this work and in which copyright is claimed ▼

New and revised computer code and documentation

b

DEPOSIT ACCOUNT If the registration fee is to be charged to a Deposit Account established in the Copyright Office, give name and number of Account Name ▼

Account Number ▼

a 7

Cisco Technology Inc

DA92785

b

CORRESPONDENCE Give name and address to which correspondence about this application should be sent Name/Address/Apt/City/State/ZIP ▼
 Jason Schroth
 Cisco Technology Inc
 170 West Tasman Drive
 San Jose CA 95134

Area code and daytime telephone number ► (408) 853-7972

Fax number ► (408) 853 7972

Email ► jschroth@cisco.com

CERTIFICATION* I, the undersigned, hereby certify that I am the

Check only one ►

- { author
 other copyright claimant
 owner of exclusive right(s)
 authorized agent of Cisco Technology, Inc

of the work identified in this application and that the statements made by me in this application are correct to the best of my knowledge

Name of author or other copyright claimant, or owner of exclusive right(s) ▲

Typed or printed name and date ▼ If this application gives a date of publication in space 3 do not sign and submit it before that date

Mallun Yen Managing Director Worldwide Intellectual Property

Date ► 14-Oct 2005

8

Handwritten signature (X) ▼

X

Certificate
will be
mailed in
window
envelope
to this
addressName ▼
 Jason Schroth, Intellectual Property Department / Cisco Technology IncNumber/Street/Apt ▼
 170 West Tasman DriveCity/State/ZIP ▼
 San Jose CA 95134Complete all necessary spaces
Sign your application in space 6
 1. Application form
 2. Nonrefundable filing fee in check or money
 order payable to Register of Copyrights
 3. Deposit material

 Fees are subject to
 change. For current
 fees, check the
 Copyright Office
 website at
www.copyright.gov
 or call
 (202) 707-3000

9

17 U.S.C. § 505(e) Any person who knowingly makes a false representation of a material fact in the application for copyright registration provided for by section 409 or in any written statement filed in connection with the application shall be fined not more than \$2 500.

CONTINUATION SHEET FOR APPLICATION FORMS

- This Continuation Sheet is used in conjunction with Forms CA PA SE SR TX and VA only. Indicate which basic form you are continuing in the space in the upper right hand corner.
- If at all possible try to fit the information called for into the spaces provided on the basic form.
- If you do not have enough space for all the information you need to give on the basic form use this Continuation Sheet and submit it with the basic form.
- If you submit this Continuation Sheet clip (do not tape or staple) it to the basic form and fold the two together before submitting them.
- Space A of this sheet is intended to identify the basic application
Space B is a continuation of Space 2 on the basic application
Space B is not applicable to Short Forms
Space C (on the reverse side of this sheet) is for the continuation of Spaces 1, 4 or 6 on the basic application or for the continuation of Space 1 on any of the three Short Forms PA, TX or VA

DO NOT WRITE ABOVE THIS LINE. FOR COPYRIGHT OFFICE USE ONLY

C Form TX /CON
UNITED STATES COPYRIGHT OFFICE

TXu 1-270-592

TXu001270592

PA	PAU	SE	SEG	SEU	SR	SRU	TX	TXA	VA	VAU
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EFFECTIVE DATE OF REGISTRATION

10 19 05
(Month) (Day) (Year)

CONTINUATION SHEET RECEIVED

OCT 19 2005

Page **3** of **7** pages

A
**Identification
of
Application**

IDENTIFICATION OF CONTINUATION SHEET This sheet is a continuation of the application for copyright registration on the basic form submitted for the following work.

- TITLE (Give the title as given under the heading 'Title of this Work' in Space 1 of the basic form)

Cisco IOS XR version 3.2

- NAME(S) AND ADDRESS(ES) OF COPYRIGHT CLAIMANT(S) (Give the name and address of at least one copyright claimant as given in Space 4 of the basic form or Space 2 of any of the Short Forms PA, TX, or VA)

Cisco Technology Inc 170 West Tasman Drive, San Jose CA 95134

NAME OF AUTHOR ▼

d (See Space C)

DATES OF BIRTH AND DEATH

Year Born▼ Year Died▼

B
**Continuation
of Space 2**

Was this contribution to the work a "work made for hire" ?

- Yes
 No

AUTHOR'S NATIONALITY OR DOMICILE

Name of Country

OR Citizen of ► _____
Domiciled in ► _____

**WAS THIS AUTHOR'S CONTRIBUTION
TO THE WORK**

Anonymous? Yes No If the answer to either of these questions is "Yes" see detailed instructions.
Pseudonymous? Yes No

NATURE OF AUTHORSHIP Briefly describe nature of the material created by the author in which copyright is claimed ▼

NAME OF AUTHOR ▼

DATES OF BIRTH AND DEATH

Year Born▼ Year Died▼

e

Was this contribution to the work a "work made for hire" ?

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DATES OF BIRTH AND DEATH

Year Born▼ Year Died▼

f

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CONTINUATION OF (Check which) Space 1 Space 4 Space 6 Space 2b

C

Name of Author	Work For Hire	Domicile	Anonymous	Pseudo- nymous	Nature of Contribution	Continuation of other Species
Cisco Technology Inc	Yes	United States	Yes	No	Computer Code & Documentation	
Calian Technologies	Yes	Canada	Yes	No	Documentation	
Ensoft Ltd	Yes	United Kingdom	Yes	No	Computer Code	
HCL	Yes	India	Yes	No	Computer Code	
MetaData	Yes	Canada	Yes	No	Computer Code	
Oak Hill Corporation	Yes	United States	Yes	No	Documentation	
Rnsoft Limited	Yes	United Kingdom	Yes	No	Computer Code	
SQLink	Yes	Israel	Yes	No	Computer Code	
TechOne	Yes	United States	Yes	No	Computer Code	

Certificate
will be
mailed in
window
envelope
to this
address

Name ▼

Jason Schroth Intellectual Property Department / Cisco Technology Inc

Number/Street/Apt ▼

170 West Tasman Drive

City/State/ZIP ▼

San Jose CA 95134

Complete all necessary spaces
Sign your application

D

- 1 Application form
- 2 Nonrefundable fee in check or money order payable to Register of Copyrights
- 3 Deposit Material

Library of Congress Copyright Office
101 Independence Avenue, S.E.
Washington, D.C. 20559-6000

Fees are subject
to change
For current fees
check the Copyright
Office website at
www.copyright.gov
write to Copyright
Office or call
(202) 707-9000